01 FCC Statement

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio/TV technician for help.

This device should be installed and operated with minimum 20 cm between the radiator and your body.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

02 Product information

Product information

Full HD(FHD) Dashcam Front & Rear
- Front : Full HD 1920 X 1080p 30 frame
- Rear : Full HD 1920 X 1080p 30 frame

Wi-Fi
- (Front & Rear) Video check to see in real time
- Store and change the settings

Advanced Driver Assistance System(ADAS)
- Lane departure warning system(LDWS)
- Forward collision warning system(FCWS)
- Front vehicle start alarm(FVSA)

GPS embedded
- GPS embedded offers navigation information support such as Time / Location / Speed / Direction.

Various recording
- Provide normal (infinite loop)/ event/ manual recording

Voice recording & guidance
- Assist voice recording with guidance

03 Component

Component: Here are components from us.

Please check to see them carefully as follows.

Body

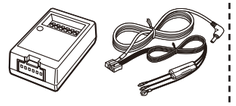
Cradle

Rear camera / Cable

Micro SD card(Adapter)

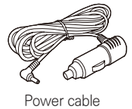
Cable clip(3EA)

[Option 1]



Normal power cable

[Option 2]

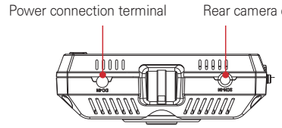


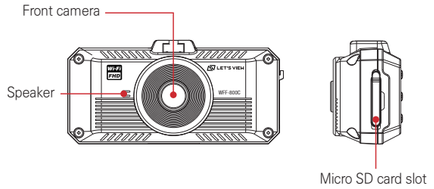
Power cable
(Cigar Lighter)

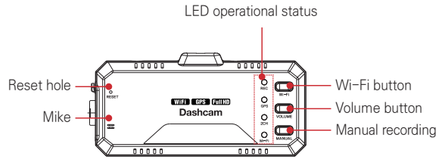
⚠ [Guide]
- Components are subject to change for its feature and quality improvement without further notice.

04 Name and feature of each part

Name and feature of each part







05 Specification

Item	Content
Model	WFF-800C
Size (mm)	97(W)mm x 47(H)mm x 33(D)mm
SD card capacity	Micro SD card 8GB~64GB
Recording mode	Normal (Infinite loop) Normal (Infinite loop) + Event Parking recording (Front & Rear Motion detection + Event recording)
Image sensor	Front : Sony sensor IMX307(2M Pixel) Rear : Sony sensor IMX323(2M Pixel)
Angle of view	Front : 140°(D) X 115°(H) X 60°(V) Rear : 127°(D) X 103°(H) X 54°(V)
Resolution	Front : Full HD (1920X1080) Rear : Full HD (1920X1080)
Frame per second	1CH : Front : 30fps@max(Full HD) 2CH : Front : 30fps@max(Full HD) Rear: 30fps@max(Full HD)
Input power	12~24V
GPS	GPS embedded
Wi-Fi	Smartphone playback & setting
Operating temperature / Storage temperature	-10℃ ~ +60℃ / -20℃ ~ +70℃
SD card format	Support for SD card format on device
Backup power	Super cap embedded
Firmware update	Support for SD card update
Cut off low voltage on parking mode	Support from power cable for additional accessories

06 Voice guidance

Voice guidance

Case	Comment
Normal (Infinite loop) recording	Start constant recording.
Event recording	Start event recording.
Manual recording	Start manual recording.
SD card format	Format SD card.
Without SD card	Insert SD card.
SD card error	SD card error.
GPS connection	GPS connected.

07 LED behavior

LED description

LED	Color	LED display	Status
REC	Green	Flicker slowly	Normal (Infinite loop) recording
	Green	Flicker fast	Manual/ Event/ Motion recording
	Red	On	ETC (Format, Error, End)
GPS	Green	On	GPS connection
	Red	On	ETC (Format, Error, Disconnection)
2CH	Green	On	Rear camera connection
	OFF	Off	Rear camera disconnection
	Red	On	ETC (Format, Error)
Wi-Fi	Green	On	Wi-Fi connection
	Red	On	ETC (Format, Error, FW update)
	Green	Flicker slowly	Wi-Fi connection, but not connected to smartphone

08 Folder and file

Micro SD card folder

- The recording file is created on [INFINITE], [EVENT] folder in micro SD card automatically after filming.

[INFINITE]

[EVENT]

[CAPTURE]

Folder name	Description
INFINITE (Normal recording)	- Normal (Infinite loop) recording files are created and stored in the [INFINITE] folder every one minute. - If memory storage is full (70%), the file is deleted from the first recorded file and it continues to loop recording.
EVENT (Event / Manual recording)	- It stores the recording files in the [EVENT] folder for the total of 20seconds (5seconds before event + 15seconds after event). - If memory storage is full (20%), the file is deleted from the first recorded file.
CAPTURE (Photo)	- It stores the photo files in the [CAPTURE] folder. - If memory storage is full(5%), the file is deleted from the first recorded file.

File type

1. Example(File name)

NNF_20200131_031739_000001_2.AVI

File name | Year / Month / Date | Hour/ Minute / Second | File No. | Front/ Rear index

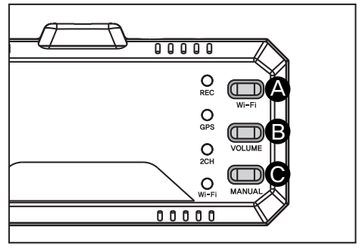
2. Category

NNF: Normal (Infinite loop) recording

NEF: Event/ Manual recording

09 Button

Button



Wi-Fi ON / OFF	Ⓐ Press button shortly. It can set Wi-Fi ON/ OFF.
Volume	Ⓑ Press button shortly to adjust volume. (3 -> mute -> 1 -> 2 -> 3)
Manual recording	Ⓒ Press button shortly for manual recording.

WFF-800C

Manual

This product is a safe driving assistance product by recording vehicle-driving videos for the purpose of arousing driver's attention, preventing traffic accidents, and providing evidential data to circumstances in case of traffic accidents.

10 How to connect smartphone

How to connect smartphone

1. After opening application, it can connect to Wi-Fi by touching menu.
2. Setting value(Name) is 'WFF-Unique ID' and it can change later on (Unique ID means the original number combined MAC address of Wi-Fi module).

[Guide]
- It can delay recording in real time and playback according to smartphone.
- In case of Wi-Fi disconnection, please check to see Wi-Fi signal or its setup.

11 Main menu

Button

1. Manual record : It can record in an urgent situation.
2. Photo : It can take photo.
3. Live view : It can check to see recording in real time.
4. Setting : It can set preference.
5. Video view(recorded) : It displays recording video on APP.
6. Video view(transmitted) : It displays transmitted recording video on APP.

[Guide]
- Video view(recorded) files are stored in the Micro SD card.
- Video view(transmitted) files are stored in the mobile app, after you have chosen the selected files 'to transmit' from Video view(recorded) folder.

12 Video view (Live view)

Live view

1. Live view : It can check to see recording in real time.
2. Latitude/ Longitude : It can display latitude/ longitude.
3. Front live view : It can display the front recording in real time.
4. Rear live view : It can display the rear recording in real time.
5. Manual recording : If it is necessary.
6. Photo : It can take photo.

13 Video view (Recorded)

Video view(recorded)

1. Normal video : Normal (Infinite loop) video files are sorted by the time.
2. Event video : Event video & Manual recording files are sorted by the time.
3. Photo : Photos are sorted by the time.
4. Cancel : It can cancel 'Transmission mode'(Activation on 'Transmission mode').
5. Transmit : It can transmit.

[Guide]
- For front camera video, please click away from <Rear> button.
- For rear camera video, please click <Rear> button.

14 Video view (Transmitted)

Video view(transmitted)

1. Normal video : It can play normal (infinite loop) files(transmitted).
2. Event video : It can play event video or manual recording files(transmitted).
3. Photo : It can see photo files(transmitted).
4. Cancel : It can cancel 'Delete mode'.
5. Delete : It can delete the files on smartphone.

15 Setting (Normal recording)

Normal (Infinite loop) recording

1. Normal recording : Normal recording -> Mode select
   Normal : It cannot store event recording separately.
   Normal + Event : It can store event recording separately.
2. 3G sensor sensitivity : It can set sensitivity on event recording while driving (Sensitivity level: 1~10).
3. Cancel : It can cancel 'Setting'.
4. Okay : It can store 'Setting'.

16 Setting (ADAS)

ADAS

1. Front vehicle start : Alarm tells when front vehicle moves ahead on stop(for 3 seconds over).
2. Forward collision : Alarm tells when analyzing speed setup over and the front video.
3. Lane departure : Alarm tells when detecting lane departure (It works the required speed over).
4. Warning alarm : It can set alarm ON / OFF.
5. Calibration : It can set calibration for ADAS, for example, bonnet, horizontal line, car model.

17 Setting (Wi-Fi)

Wi-Fi

1. SSID(Service Set Identifier) : It can specify service identifier (Special characters are not allowed and can modify at most 32 characters).
2. Password : It can enter password for Wi-Fi connection (It should set at least 8 characters and at most 32 characters).

18 Setting (UI & System)

UI & System

1. Format : All files are deleted on SD card and it is impossible to restore them.
2. Default setting : It can set default value.
3. Timer setting synchronization : It can synchronize dashcam timer with smartphone time.
4. Voice recording : It can set voice recording or be set on silent.
5. Info in video : It can set/ cancel recorded info(Time/ Speed) on video file.
6. Voice : It can set voice guidance.
7. Geographic information : It can set geographic information.
8. Speaker volume : It can adjust volume. All off is set to silent.
9. LED : It can set LED operation on device.
10. Speed : It can set speed.

19 Setting (System info)

System info

1. Model name : It displays model name.
2. App version : It displays app version.
3. Set version : It displays set version.
4. Serial No. : It displays serial number.